Biomass **15** (1988) 291–293

CONTENTS OF VOLUME 15

Number 1

Crushing Rolls to Accelerate Napiergrass Drying 1
H. R. SUMNER, R. E. HELLWIG & G. E. MONROE (USA)

N-Butyrate Catabolism in the Treatment of a Semi-Synthetic Landfill Leachate on Anaerobic Filter under Sequential Feeding Conditions . . . 11
R. GOURDON, C. COMEL, P. VERMANDE & J. VÉRON (France)

Processing Cereal Grains, Thin Stillage, and Cheese Whey to Fuel Ethanol in a Farm-scale Plant 25
WILLIAM R. GIBBONS & CARL A. WESTBY (USA)

Mesophilic Anaerobic Digestion of a Mixture of Cheese Whey and Dairy Manure 45
K. V. LO, P. H. LIAO & C. CHIU (Canada)

Postemergence Herbicides in Swedish Willow Stands 55
STINA ERIKSSON (Sweden)

Book Reviews 67

News Item 73

Number 2

Special Issue: Biotechnology for the Forest Based Industry

Introduction: Biotechnololgy for the Forest Based Industry 75
BARRY S. GOODELL (USA)

Enzymatic Treatment of Lignochemicals: Adhesive and Resin Uses . . . 77
BRUCE A. SADOWNICK & ROBERTA FARRELL (USA)

Selection of White-rot Fungi for Biopulping 93
ROBERT A. BLANCHETTE, TODD A. BURNES, GARY F. LEATHAM & MARILYN J. EFFLAND (USA)

Biological Treatments of Pulps 103
L. JURASEK & M. G. PAICE (Canada)

Immunological Characterization of Lignocellulose Degradation 109
JODY JELLISON & BARRY S. GOODELL (USA)

Recent Developments in Biotechnology in the Pulp and Paper Industry . . 117
KARL-ERIK ERIKSSON (Sweden)

Implications of Chemical and Physical Factors on the Biological Processing of Lignocellulose 121
IRVING S. GOLDSTEIN (USA)

Biomass **15** (1988) — © 1988 Elsevier Applied Science Publishers Ltd, England. Printed in Great Britain

Number 3

Implications of Biotechnology in the Pulp and Paper Industry from the Management Perspective 127
JOHN KONING (USA)

Seasonal Changes in Rubber and Resin Contents in *Chrysothamnus nauseosus* ssp. *hololeucus* and spp. *turbinatus* 133
D. F. HEGERHORST, D. J. WEBER, R. B. BHAT, T. D. DAVIS, S. C. SANDERSON & E. D. McARTHUR (USA)

An Economic and Simulation Approach for Renewable Natural Resources. Ethanol Production in the EEC: A Case Study 143
J. F. SWINNEN, P. A. JACOBS, J. B. UYTTERHOEVEN & E. F. TOLLENS (Belgium)

Inhibitors in Sorghum Biomass During Growth and Processing into Fuel . . 155
R. D. WANISKA, A. S. RING, C. A. DOHERTY, J. H. POE & L. W. ROONEY (USA)

Chilean Euphorbiaceae Species as Sources of Fuels and Raw Chemicals . . 165
SARA GNECCO, JUAN BARTULÍN, CLODOMIRO MARTICORENA & ADRIANA RAMÍREZ (Chile)

Fermentation of Wheat Grain by *Schwanniomyces castellii* 175
R. ZAÏRE, G. MOULIN, P. GALZY, J. HERARD, G. DESHAYES & B. GODON (France)

Flocculation of Microalgae in Brackish and Sea Waters 187
A. SUKENIK, D. BILANOVIC & G. SHELEF (Israel)

Ethanol Fermentation of Cassava Starch by *Zymomonas mobilis* NRRL B-4286 201
H. NELLAIAH, T. KARUNAKARAN & P. GUNASEKARAN (India)

Book Reviews 209

Number 4

On the Mass Culture of Microalgae: Areal Density as an Important Factor for Achieving Maximal Productivity 211
P. HARTIG, J. U. GROBBELAAR, C. J. SOEDER & J. GROENEWEG (FRG)

The Conversion of Cellulose into Carboxylic Acids by a Drastic Oxygen-Alkali Treatment 223
KLAUS NIEMELÄ (Finland)

Mass Production of the Blue-green Alga *Spirulina*: An Overview. 233
AVIGAD VONSHAK & AMOS RICHMOND (Israel)

Algal biomass Production, N Uptake and N_2 Fixation in a Synthetic Medium 249
R. W. TAYLOR, K. R. SISTANI & M. FLOYD (USA)

CO_2 Enrichment and its Relationship to Bioconversion of Cellulosic Biomass of Sweet Potato (*Ipomoea batatas* L.) into Fermentable Sugars. . . 259
S.BHATTACHARYA, J. F. EATMAN, P. K. BISWAS & M. E. M. TOLBERT (USA)

Factors Affecting the Utilization of Steam- and Explosion-Decompressed Aspen Wood by Cellulolytic Anaerobes 269
A. W. KHAN (Canada)

Steam Pretreatment and Enzymatic Production of D-Glucose from *Eucalyptus globulus* 281
RICARDO SAN MARTÍN & JOSE MIGUEL AGUILERA (Chile)